

GAALFLEX® SERVO T 839 C

paired PUR transmission cable with coloured cores and overall copper screen



ELETTROTEK KABEL® GAALFLEX® SERVO T 839 C

Construction:

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|----------------------|---|
| CONDUCTOR: | FLEXIBLE TINNED COPPER ACC. TO DIN VDE 0812 |
| INSULATION: | SPECIAL POLYMER COMPOUND |
| COLOUR CORES: | DIN 47100 AS FAR APPLICABLE |
| SCREEN: | PAIRS SCREENED INDIVIDUALLY WITH TINNED COPPER BRAID |
| INNER SHEATH: | SPECIAL POLYMER COMPOUND |
| STRANDING: | CORES TWISTED TOGETHER IN PAIRS AND IN LAYERS |
| WRAPPING: | NON WOVEN TAPE OR PETP FOILL |
| SCREEN: | TINNED COPPER BRAID |
| WRAPPING: | NON-WOVEN TAPE |
| OUTER SHEATH: | GREEN (RAL 6018), PUR TYPE TMPU ACC. TO DIN VDE 0282 PART 10 + HD 22.1, OR GREEN (RAL 6018), PUR TYPE PU ACC. TO UL 758 |

Technical data:

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|--------------------------------------|---|
| NOMINAL VOLTAGE: | MAX. 30 V UL: 30 V |
| TEST VOLTAGE: | 750 V |
| TEMPERATURE RANGE | DIN VDE: UL: UP TO + 80°C |
| FIXED LAYING: | - 50°C UP TO + 80°C |
| FLEXIBLE INSTALLATION: | - 40°C UP TO + 80°C |
| RADIATION RESISTANCE: | 5 x 10 ⁷ Cj/kg |
| MIN. BENDING RADIUS | |
| FIXED LAYING: | 5 x D |
| FLEXIBLE INSTALLATION: | 10 x D |
| CONTINUOUSLY FLEXIBLE: | 12 x D |
| MAX SPEED (MAIN APPLICATION): | 250 m/min |

Resistance:



SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:
IEC 60332-1-2
EN 60332-1-2
UL CSA FT-1, FT-2



OIL RESISTANCE:
VERY GOOD - PUR TMPU ACC. TO DIN VDE 0282 PART.10+ HD 22.10



HALOGEN FREE ACC. TO:
DIN VDE 0472 PART 815 + IEC

Features:

- UL AWM STYLE 20236 80°C 30 V
- GOOD EMC CHARACTERISTICS
- FLEXIBLE INSTALLATION
- OIL RESISTANT
- VERY GOOD WEATHER RESISTANCE
- GOOD AGAINST ACIDS, ALKALINES, SOLVENTS, HYDRAULIC LIQUIDS ETC. OR OIL-RATING 60°C ACC. TO UL 758
- LONG SERVICE LIFE
- ADHESION-FREE INSTALLATION
- HALOGEN-FREE
- LABS UNCRITICA
- MAT SURFACE OUTER SHEATH
- DESINA® COLOURS
- FOR SPEEDS AND MINIMUM BENDING RADIUS SEE PAGES FROM 1 TO 4 OF CATALOGUE
- ROHS AND CE APPROVAL



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SHEATH MATERIAL PU ACC. TO UL 758

| Part no. | Color code | No. of cores x cross section n x mm ² | Outer Ø ca. mm ±10% | Copper weight kg/km | Cable weight approx. kg/km | AWG no.*) |
|----------------|--------------------------|--|---------------------------|------------------------|----------------------------------|--------------|
| 37140AE4029901 | SPECIAL COLORED | 2 x 2 x 0,15 + 2 x 0,38 | 6,9 | 28,1 | 52 | 25/21 |
| 37140AE4049902 | DIN 47100 | 4 x 0,18 | 4,9 | 18,9 | 28 | 25 |
| 37140AE4042903 | DIN 47100 | 4 x 2 x 0,18 | 6,3 | 30,8 | 47 | 25 |
| 37140AE4029904 | SPECIAL COLORED | 4 x 2 x 0,25 + 2 x 1 | 8 | 61 | 96 | 24/18 |
| 37140AE4029905 | SPECIAL COLORED | 4 x 2 x 0,14 + 4 x 0,5 | 8 | 49,7 | 74 | 26/20 |
| 37140AE4039906 | SPECIAL COLORED | 3 x (2 x 0,25)D2Y + 4 x 0,5 | 9,7 | 81,9 | 122 | 24/20 |
| 37140AE4029907 | SPECIAL COLORED | 3 x 2 x 0,25 + 2 x 0,5 | 6,7 | 41,7 | 66 | 24/20 |
| 37140AE4029908 | SPECIAL COLORED | 4 x (2 x 0,25)D + 2 x 0,5 | 8,2 | 60,7 | 91 | 24/20 |
| 37140AE4029909 | SPECIAL COLORED | 6 x 2 x 0,34 + 1 x (2 x 0,34)C + 2 x 1 | 9,4 | 107,8 | 134 | 22/22/18 |
| 37140CE4042A24 | DIN 47100 | 4 x 2 x 0,25 | 7,2 | 38,7 | 64 | 24 |
| 37140AE4042A24 | DIN 47100 | 4 x (2 x 0,25)CY | 9,1 | 80,3 | 120 | 24 |
| 37140AE4042A22 | DIN 47100 | 4 x (2 x 0,34)C | 9,8 | 92,3 | 138 | 22 |
| 37140AE4082A22 | DIN 47100 | 8 x (2 x 0,34)C | 16,2 | 188 | 282 | 22 |
| 37140AE4029913 | SPECIAL COLORED | 5 x (2 x 0,14)D + 2 x 0,5 | 8 | 49 | 73 | 26/20 |
| 37140AE4029914 | ACC. TO SIEMENS STANDARD | 3 x (2 x 0,14)D2Y + 4 x 0,14 + 4 x 0,22 + 2 x 0,5 | 9,5 | 80,4 | 130 | 26/26/-/20 |
| 37140AE4029915 | SPECIAL COLORED | 3 x (2 x 0,34)D12Y + 16 x 0,34 | 11,6 | 117,1 | 175 | 22/22 |
| 37140AE4029916 | DIN 47100 | 4 x (2 x 0,5)C | 9,9 | 123 | 184 | 20 |
| 37140AE4039917 | SPECIAL COLORED | 3 x (2 x 0,14)D2Y + 2 x 0,5 | 8,6 | 57,7 | 86 | 26/20 |
| 37140CE405B927 | DIN 47100 | 5X0,5+2X0,18 | 7,5 | 49 | 95 | 20/25 |

SHEATH MATERIAL TMPU ACC. TO DIN VDE 0282

| Part no. | Color code | No. of cores x cross section n x mm ² | Outer Ø ca. mm ±10% | Copper weight kg/km | Cable weight approx. kg/km | AWG no.*) |
|----------------|--------------------------|--|---------------------------|------------------------|----------------------------------|--------------|
| 37140AE4039919 | SPECIAL COLORED | 3 x (2 x 0,14)D + 2 x (0,5)D | 9 | 71,4 | 96 | 26/20 |
| 37140AE4029920 | ACC. TO SIEMENS STANDARD | 3 x (2 x 0,14)D + 4 x 0,14 + 2 x 0,5 | 8,9 | 61 | 97 | 26/26/20 |
| 37140AE4029921 | SPECIAL COLORED | 3 x (2 x 0,14)D + 4 x 0,14 + 4 x 0,22 + 2 x 0,5 | 9,5 | 79 | 111 | 26/26/24/20 |
| 37140AE4049922 | SPECIAL COLORED | 4 x 2 x 0,38 + 4 x 0,5 | 8,9 | 76,3 | 106 | 21/20 |
| 37140AE4082923 | DIN 47100 | 8 x 2 x 0,18 | 7,8 | 48 | 74 | 25 |
| 37140AE4029924 | DIN 47100 | 12 x 0,22 | 6,9 | 42,5 | 63 | 24 |
| 37140AE4029925 | ACC. TO SIEMENS STANDARD | 4 x (2 x 0,25)C12Y + (2 x 1)C12Y | 13,2 | - | - | 24/18 |
| 37140AE4029926 | SPECIAL COLORED | 3X(2X0,25)C+2X0,5 | 8,8 | - | - | 24/20 |
| 37140AE8039910 | US4 | 3 x (2 x 0,14)D2Y + 2 x 0,5 | 8,6 | 57,5 | 89 | 26/20 |

Other dimension and colours available on request.